Subject: What's going on in Pi world, eh?
Posted by mikebake on Sat, 07 Dec 2002 18:43:27 GMT
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Who's got something cooking?Till, update The Great Flood, eh? I have yet to take delivery on the 2245H subs, Dale says he is thinking of delivering them tmrw. Good, the wife won't be home and I can sneak the monsters into the shop. They have wheels on them."oh, THOSE? I've had those a LONG time"My buddies will be back for Xmas for a few days, so naturally I have to have them working by then.MBB

Subject: Re: What's going on in Pi world, eh?
Posted by Wayne Parham on Sat, 07 Dec 2002 22:40:53 GMT
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crossover using 6DJ8 tubeI'm modeling this circuit using PSpice.

Subject: Re: What's going on in Pi world, eh?
Posted by replay on Sun, 08 Dec 2002 02:19:00 GMT
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hi wayne, the x-over is exciting. are you using a 24db/octave slope?. also will the x-over be adjustable? tubes sound cool. are you going to sell in kit or finished form? what's the anticipated retail. i don't mind being a guinea pig and testing your first sample.cheers,george12awg concealed in garden hose and priced at $50 ft sounds best. really!!

Subject: Re: What's going on in Pi world, eh?
Posted by Wayne Parham on Sun, 08 Dec 2002 02:42:42 GMT
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I've based my work on that of Steve Bench because he has extensive hands-on experience with tubes and tube designs. I am designing the filters that precede the 6DJ8 and that's really all there is to the circuit. It's two sections of a 6DJ8 tube, so two tubes are needed for stereo, and then the filter and that's basically it. There's a coupling cap on both sides, which is then really an additional

VLF high-pass filter, and then there's the crossover filter and compensation circuit. It's so simple, it almost has the same low parts count of the passive crossover.The slope for each section can be made first, second or third order and the crossover point is selectable. But that's done by picking components, not by placing jumpers, or setting switches or potentiometers. One of the things that prompted the choice to use an existing design is that there is a circuit board already available which has plate-through holes for additional parts - Hopefully enough for the components needed

can be accomplished without "hacking" the circuit board.I've always hated etch cuts, jumpers and "floating" components, but it's attractive to be able to use an existing board as long as a lot of etch modifications aren't required. If extensive cuts are required and I then I may decide to have board etched instead. We'll see how much response there is.

Subject: Pant! Pant!
Posted by Garland on Sun, 08 Dec 2002 11:11:26 GMT
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"Dear Santa" may be "Dear Easter Bunny"! I can wait , but barely!G

Subject: Re: What's going on in Pi world, eh?
Posted by billfort on Sun, 08 Dec 2002 12:53:58 GMT
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Hey Wayne - this is exciting stuff! This is exactly what I've been looking for for my Altec 604's. Tube crossover, 12db slopes, compensation for horn. I'm building another 300B SET amp to go with the one I already use, in anticipation of something like this. Can't wait! Keep up posted.Billf

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Subject: i am also waiting for a change like this,
Posted by Zeno on Sun, 08 Dec 2002 13:01:33 GMT
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when will be the ist review

Subject: Re: What's going on in Pi world, eh?
Posted by DRC on Sun, 08 Dec 2002 18:40:36 GMT
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Oh man! This is just what I'd want for the TAD/JBL/TAD monsters. Not in love with the DBX active I'm using, and would rather not do the passive with this in the wings . . . ..How long, oh how long . . . . I'll happily volunteer to be a guinea pig on this baby! Keep your ears and your mind open.

Subject: Re: What's going on in Pi world, eh?
Posted by BillEpstein on Sun, 08 Dec 2002 20:36:47 GMT
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Soon I'll have Paramours on top and Ella on the bottom and I'll need some "resistors lying on the beach" type help with the hook-up.And I'll probably take the Goldpoint's out of the Foreplay and build a 'badass passive' with'm for the 2 amps. I'll need 2 "outs" tho, won't I? May as well put in a selector switch then, too.I think I'll change the name of my website to: No User Serviceable Parts Inside.com.

http://merrypranks.com

Subject: Till, check out the Love Kitten in the current "Valve"(nt)
Posted by Garland on Sun, 08 Dec 2002 21:18:41 GMT
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...and now is the time to get a pair of cobalt B7 linestage trannies from Mikey!G.

Subject: beta testing the Pi Tube Active Xover
Posted by Sam P. on Mon, 09 Dec 2002 21:45:12 GMT
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Wayne, Let me know when you have values nailed down for the Pi-TAX beta testing...I can implement them when I put the boards from Gary together. I'll be chasing parts for a couple of weeks still. Once the boards are "in hand" I can see about the needed tube sockets, and consider my chassis options...might even be able to unearth a pair of 6DJ8 NOS tubes:) Are you staying with that tube? Not knowing the final values makes it a premature question...BUT WHERE is a

source for the close tolerance caps in pF sizes? Sam

Subject: Re: beta testing the Pi Tube Active Xover
Posted by Wayne Parham on Mon, 09 Dec 2002 21:52:40 GMT
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Will do. I think Kevin Grier is planning to do the same. Should be right around the corner - I'll keep you posted.

Subject: Re: beta testing the Pi Tube Active Xover
Posted by EZ Angus on Tue, 10 Dec 2002 11:35:27 GMT
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I have the parts purchased for a 650 hz x-over (for my altec 416 pi's) and a chassis laser cut and powder coated that I will pick up this weekend. I also have a pair of gary kaufman's boards for steve bench's circuit w/o any compensation. when I told wayne what I was up to, he got interested in refining the circuit which he is now doing. I am going to try mine with and without compensation i think. I'd hope to have it built by the new year, but then I'd have to build the speakers too cause all my other speaks are FR single drivers.Kevin

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Posted by pav on Wed, 25 Dec 2002 18:39:23 GMT
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Its very intresting. tell some more i will make pi 7 horn speaker.

Subject: Your kit is on its way!
Posted by Wayne Parham on Thu, 26 Dec 2002 05:31:02 GMT
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finish it.